

From: Bercik, Lisa M. [lisa.bercik@aptim.com]
Sent: Monday, October 26, 2020 4:54 PM
To: Roddy, Elizabeth A CIV USN NAVFAC SW SAN CA (USA) [elizabeth.rodgy@navy.mil]
CC: Stoick, Paul T CIV USN NAVFAC SW SAN CA (USA) [paul.stoick@navy.mil]
Subject: [Non-DoD Source] RE: Parcel G Agency Questions
Attachments: Parcel G Agency Qs_we 2020_10_23.docx

Liz and Paul –

APTIM's responses to agencies comments are attached. I will send you the response to RASO's questions about the critical levels in a separate email.

Please let me know if you have any questions.

Thanks,
Lisa

Lisa Bercik, PE, QSD, QSP
Project Manager

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From: Roddy, Elizabeth A CIV USN NAVFAC SW SAN CA (USA) <elizabeth.rodgy@navy.mil>
Sent: Wednesday, October 21, 2020 4:14 PM
To: Bercik, Lisa M. <lisa.bercik@aptim.com>
Cc: Stoick, Paul T CIV USN NAVFAC SW SAN CA (USA) <paul.stoick@navy.mil>
Subject: FW: Parcel G Agency Questions

Lisa,

FYSA can you cc Paul on the response while I am out. I will be back late afternoon Tuesday the 27th.

Very Respectfully,

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From: Roddy, Elizabeth A CIV USN NAVFAC SW SAN CA (USA)
Sent: Tuesday, October 20, 2020 4:37 PM
To: Bercik, Lisa M. <lisa.bercik@aptim.com>
Subject: Parcel G Agency Questions

Lisa,

The two things we discussed over the phone today included:

1. How will APTIM maintain and contain the water from the use of the drying pad? How will it be wasted?
2. What are the investigation levels used for? (ie. Soil, asphalt, debris etc.) For debris procedures we can direct to the work plans.
3. Will APTIM continue working Saturdays? If so, is this a long term plan or short?

Very Respectfully,

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Parcel G
Agency Questions

From Liz's email, 10/20/2020

Q: How will APTIM maintain and contain the water from the use of the drying pad? How will it be wasted?

A: If needed, saturated soil will be placed in drying cells located adjacent to the excavation areas, to the extent practicable, to ensure no free liquid is released during soil transport to the RSY pads. The drying cells are constructed in a similar method as the RSY pads using a single piece of 10-mil plastic sheeting (or equivalent). If multiple sheets of plastic must be used, the sheeting shall be "shingled" in the desired direction of water flow. The drying cell is bermed with biodegradable straw waddles (or equivalent), wrapped with the underlying plastic and sand bags over the plastic, to manage potential runoff. If the cell is adjacent to the excavation, water may be allowed to drain back into the excavation from which it was removed. During the soil drying process, it is not anticipated that any drying agent or additive will be required; however, APTIM may turn the soil utilizing an excavator (or equivalent) as necessary to expedite the drying process. This method is consistent with soil drying methods at Parcel E. Typically, the water in the RSY pad evaporates as the soil dries. If wastewater remains in the drying cell after the soil is dried enough to transport to a RSY pad, it will be managed per the Waste Management Plan.

For trench unit excavations, saturated ESU and SFU materials will be placed in separate drying cells with clear signages. Once the material is dry enough to relocate, it will be loaded into haul trucks and transported to the RSY pads for radiological screening as described in Section 3.6.3.2 of the Work Plan

Q: What are the investigation levels used for? (ie. Soil, asphalt, debris etc.).

A: The asphalt investigation levels provided to the agencies are used for the asphalt gamma walkover surveys performed prior to removing asphalt over the TUs. As stated in WPA Section 3.1, "Gamma Instruments," (APTIM, 2020):

"The asphalt covering the trenches is considered non-impacted. As a conservative measure, the 3-inch-by-3-inch NaI detector will be used to scan the top of the asphalt. Once cut, the asphalt will be flipped and the underside will also be gamma scanned. Locations that exceed the instrument-specific asphalt investigation limit will be investigated with biased static measurements."

Debris will be radiologically screened in accordance with WPA Section 3.6, "Debris Screening," which states:

"Debris (larger than 2 inches) will be mechanically screened and segregated in accordance with the soil sorting operations work plan (Appendix F). Large debris is not anticipated because this project includes re-excavating backfilled material. Segregated debris will be surveyed for gamma radiation to verify the absence of attached or embedded low-level radiological objects and for loose surface alpha

and beta radioactivity in accordance with APTIM work instruction D0006-4550-0010 "Radiological Survey of Oversized Debris."

Debris screening will include gamma scanning of 100 percent of the segregated debris and alpha/beta loose surface contamination surveys of approximately 25 percent of the segregated debris to support characterization of the segregated debris as low-level radioactive waste and/or non- low-level radioactive waste. Handheld gamma survey instrumentation will include a Ludlum Model 2221 coupled with a 44-20 NaI detector, or equivalent (Table 3). Alpha/Beta survey/count instrumentation will include a Ludlum Model 2360 coupled with a 43-93 detector, or equivalent (Table 3). Debris will be managed in accordance with the waste management plan section of the WP (CH2M Hill, Inc., 2019)."

Q: Will APTIM continue working Saturdays? If so, is this a long-term plan or short?

A: APTIM evaluates the benefit of working Saturdays each week. APTIM will continue to evaluate working Saturdays until the late fall/winter, when the rainy season typically begins.

References:

APTIM, 2020, *Final, Revision 1, Parcel G Removal Site Evaluation Work Plan Addendum, Radiological Investigation, Survey, and Reporting, Parcel G Former Hunters Point Naval Shipyard San Francisco, CA* (WPA)

CH2M Hill, Inc., 2019, *Final Parcel G Removal Site Evaluation Work Plan, Former Hunters Point Naval Shipyard, San Francisco, California*, June